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TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	May 12	EXTEND option available in structure searching
NEWS 4	May 12	Polymer links for the POLYLINK command completed in REGISTRY
NEWS 5	May 27	New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus
NEWS 6	May 27	CAplus super roles and document types searchable in REGISTRY
NEWS 7	Jun 28	Additional enzyme-catalyzed reactions added to CASREACT
NEWS 8	Jun 28	ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG, and WATER from CSA now available on STN(R)
NEWS 9	Jul 12	BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS
NEWS 10	Jul 30	BEILSTEIN on STN workshop to be held August 24 in conjunction with the 228th ACS National Meeting
NEWS 11	AUG 02	IFIPAT/IFIUDB/IFICDB reloaded with new search and display fields
NEWS 12	AUG 02	CAplus and CA patent records enhanced with European and Japan Patent Office Classifications
NEWS 13	AUG 02	STN User Update to be held August 22 in conjunction with the 228th ACS National Meeting
NEWS 14	AUG 02	The Analysis Edition of STN Express with Discover! (Version 7.01 for Windows) now available
NEWS 15	AUG 04	Pricing for the Save Answers for SciFinder Wizard within STN Express with Discover! will change September 1, 2004

NEWS EXPRESS	JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 10:42:44 ON 18 AUG 2004

}

```
=> file reg
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

FILE 'REGISTRY' ENTERED AT 10:42:55 ON 18 AUG 2004
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STRUCTURE FILE UPDATES:   17 AUG 2004  HIGHEST RN 727974-89-2
DICTIONARY FILE UPDATES:  17 AUG 2004  HIGHEST RN 727974-89-2

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

  Please note that search-term pricing does apply when
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Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
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http://www.cas.org/ONLINE/DBSS/registryss.html

=> logoff hold
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.42       0.63

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 10:43:43 ON 18 AUG 2004

Connecting via Winsock to STN



Welcome to STN International!  Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 10:48:08 ON 18 AUG 2004
FILE 'REGISTRY' ENTERED AT 10:48:08 ON 18 AUG 2004
COPYRIGHT (C) 2004 American Chemical Society (ACS)

COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.42       0.63

=>
Uploading C:\Examination Auxillary files\10731123\10731123 compound.str

L1      STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1              STR
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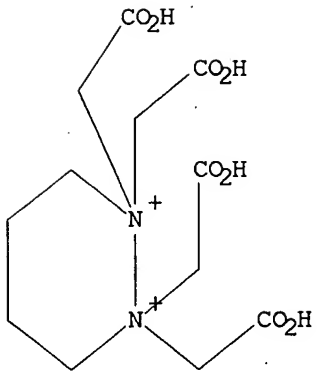


Structure attributes must be viewed using STN Express query preparation.

```
=> search l1 sss sam
SAMPLE SEARCH INITIATED 10:48:37 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      0 TO ITERATE

100.0% PROCESSED       0 ITERATIONS                          0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            0 TO        0
PROJECTED ANSWERS:               0 TO        0

L2            0 SEA SSS SAM L1

=> search l1 sss full
FULL SEARCH INITIATED 10:48:45 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      0 TO ITERATE

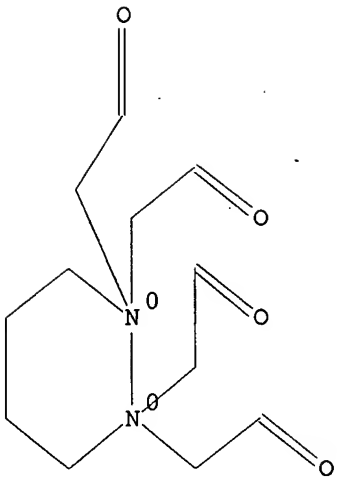
100.0% PROCESSED       0 ITERATIONS                          0 ANSWERS
SEARCH TIME: 00.00.01

L3            0 SEA SSS FUL L1

=>
Uploading C:\Examination Auxillary files\10731123\10731123 compound wout charge.str

L4      STRUCTURE UPLOADED

=> d l4
L4 HAS NO ANSWERS
L4              STR
```



Structure attributes must be viewed using STN Express query preparation.

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=> search l4 sss sam
SAMPLE SEARCH INITIATED 10:52:09 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      0 TO ITERATE

100.0% PROCESSED      0 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            0 TO .      0
PROJECTED ANSWERS:               0 TO        0

L5            0 SEA SSS SAM L4

=> search l4 sss full
FULL SEARCH INITIATED 10:52:19 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      0 TO ITERATE

100.0% PROCESSED       0 ITERATIONS                               0 ANSWERS
SEARCH TIME: 00.00.01

L6            0 SEA SSS FUL L4

=>
Uploading C:\Examination Auxillary files\10731123\10731123 right compound  core
wout charge.str

L7      STRUCTURE UPLOADED

=> d l7
L7 HAS NO ANSWERS
L7              STR
```
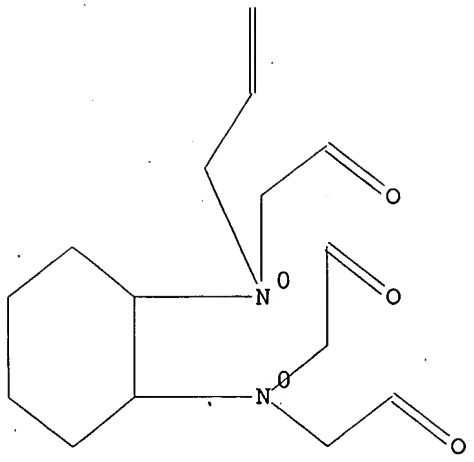



Structure attributes must be viewed using STN Express query preparation.

=> search l7 sss sam
SAMPLE SEARCH INITIATED 10:54:40 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 44 TO ITERATE

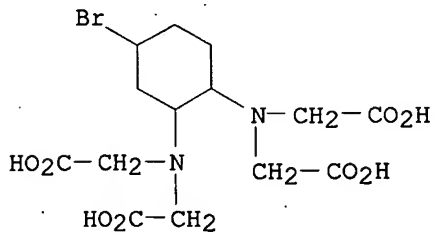
100.0% PROCESSED 44 ITERATIONS 7 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 483 TO 1277
PROJECTED ANSWERS: 7 TO 298

L8 7 SEA SSS SAM L7

=> d scan

L8 7 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN Glycine, N,N'-(4-bromo-1,2-cyclohexanediyl)bis[N-(carboxymethyl)- (9CI)
MF C14 H21 Br N2 O8



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

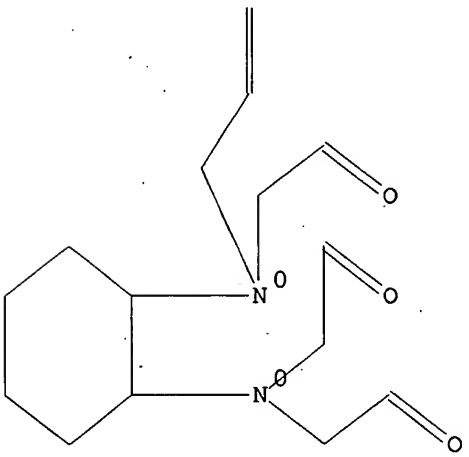
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=>

Uploading C:\Examination Auxillary files\10731123\10731123 right fixed Hcompound core wout charge.str

L9 STRUCTURE UPLOADED

=> d l9
L9 HAS NO ANSWERS
L9 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l9 sss sam
SAMPLE SEARCH INITIATED 10:57:28 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 44 TO ITERATE

100.0% PROCESSED 44 ITERATIONS 3 ANSWERS
SEARCH TIME: 00.00.01

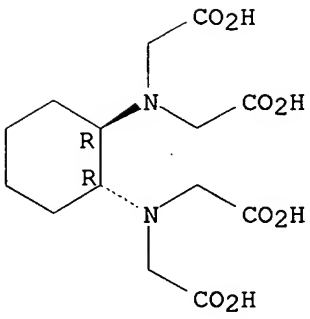
FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 483 TO 1277
PROJECTED ANSWERS: 3 TO 163

L10 3 SEA SSS SAM L9

=> d scan

L10 3 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN Glycine, N,N'-1,2-cyclohexanediylbis[N-(carboxymethyl)-, dipotassium salt, trans- (9CI)
MF C14 H22 N2 O8 . 2 K

Relative stereochemistry.



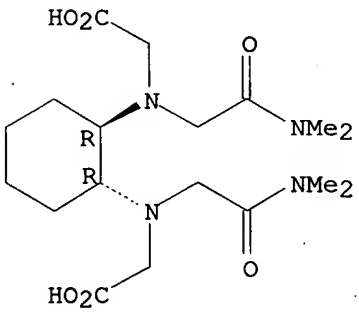
●2 K

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

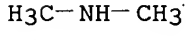
L10 3 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN Glycine, N,N'-1,2-cyclohexanediylbis[N-[2-(dimethylamino)-2-oxoethyl]-, trans-, compd. with N-methylmethanamine (1:2) (9CI)
MF C18 H32 N4 O6 . 2 C2 H7 N

CM 1

Relative stereochemistry.

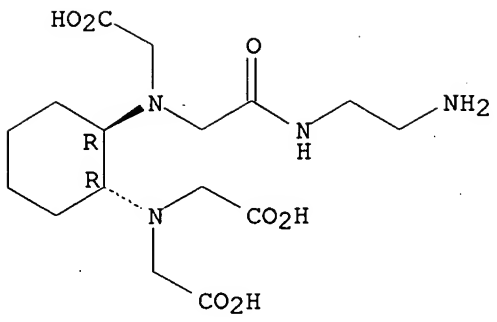


CM 2



L10 3 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN Glycine, N-[2-[(2-aminoethyl)amino]-2-oxoethyl]-N-[(1R,2R)-2-[bis(carboxymethyl)amino]cyclohexyl]-, rel- (9CI)
MF C16 H28 N4 O7
CI COM

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> search l9 sss full
FULL SEARCH INITIATED 10:58:27 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 902 TO ITERATE

100.0% PROCESSED 902 ITERATIONS 115 ANSWERS
SEARCH TIME: 00.00.01

L11 115 SEA SSS FUL L9

=> e chloroacetic acid/cn
E1 1 CHLOROACETIC 2-(ETHOXYCARBONYL)HYDRAZIDE/CN
E2 1 CHLOROACETIC ACETIC ANHYDRIDE/CN
E3 1 --> CHLOROACETIC ACID/CN
E4 1 CHLOROACETIC ACID (1R,2S,5R)-5-METHYL-2-(1-METHYLETHYL)CYCLO HEXYL ESTER/CN
E5 1 CHLOROACETIC ACID 1',2',4'-TRIMETHYLPENT-2'-ENYL ESTER/CN
E6 1 CHLOROACETIC ACID 1,1-DIMETHYLETHYL ESTER/CN
E7 1 CHLOROACETIC ACID 1-(2,2-DIMETHYL-1-OXOPROPYL)-1H-INDOL-6-YL ESTER/CN
E8 1 CHLOROACETIC ACID 3,5-DICHLOROANILIDE/CN
E9 1 CHLOROACETIC ACID 4-CHLOROANILIDE/CN
E10 1 CHLOROACETIC ACID ANHYDRIDE/CN
E11 1 CHLOROACETIC ACID BENZYL ESTER/CN
E12 1 CHLOROACETIC ACID CESIUM SALT (2:1)/CN

=> e3
L12 1 "CHLOROACETIC ACID"/CN

=> file caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 477.41 477.62

FILE 'CAPLUS' ENTERED AT 10:59:12 ON 18 AUG 2004
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FILE COVERS 1907 - 18 Aug 2004 VOL 141 ISS 8
FILE LAST UPDATED: 17 Aug 2004 (20040817/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> l11
L13 1731 L11

=> l12
L14 8864 L12

=> l13 and l14
L15 7 L13 AND L14

=> d l15 1-7 ti fbib abs

L15 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation and purification of 1,2-diaminocyclohexanetetraacetic acid for use as stabilizer for hydroxylamine compounds
AN 2004:493595 CAPLUS
DN 141:23905
TI Preparation and purification of 1,2-diaminocyclohexanetetraacetic acid for use as stabilizer for hydroxylamine compounds
IN Ward, Irl E.; French, Danielle Anne
PA USA
SO U.S. Pat. Appl. Publ., 5 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	US 2004116735	A1	20040617	US 2002-320082		20021216
	EP 1431276	A1	20040623	EP 2003-27356		20031127
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK					
				US 2002-320082	A	20021216
	JP 2004196796	A2	20040715	JP 2003-414120		20031212
				US 2002-320082	A	20021216

AB The invention relates to the preparation of ultra-high purity 1,2-diaminocyclohexanetetraacetic acid (CDTA) which is essentially free of unwanted metal and metal ion contaminants and its use as a stabilizer for ultra-high purity hydroxylamine compds. used extensively in the production of high premium electronic components. The process for the preparation of CDTA comprising the steps of: (a) neutralizing chloroacetic acid in an aqueous medium with a non-metal amino or hydroxy base compound at < 10°C, (b) reacting the neutralized chloroacetic acid with 1,2-diaminocyclohexane at < 80°C., (c) adding a non-metal amino or hydroxy base, (d) heating the aqueous mixture at < 100°C, (e) filtering the mixture, (f) treating the aqueous filtrate with hydrochloric acid until a precipitate forms, (g) filtering the aqueous filtrate, and (h) recovering CDTA and optionally redissolving the 1,2-diaminocyclohexanetetraacetic acid in an aqueous solution and repeating steps

(c) to (g).

L15 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
TI Ligand-modified cellulose product
AN 2002:216117 CAPLUS
DN 136:249248
TI Ligand-modified cellulose product
IN Maas, Antonius Franciscus; Urpilainen, Ulla; Ruppert, Oliver
PA Noviant Oy, Finland
SO Eur. Pat. Appl., 6 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1188772	A2	20020320	EP 2001-660148	20010815
	EP 1188772	A3	20021204		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
				FI 2000-2039 A	20000915
	FI 2000002039	A	20020316	FI 2000-2039	20000915
	US 6586587	B1	20030701	US 2002-86627	20020304
				FI 2000-2039 A	20000915
	BR 2002000773	A	20031021	BR 2002-773	20020313
				FI 2000-2039 A	20000915

AB The product comprises cellulose ether, ≥1 salt of calcium, and at least one ligand as a chelating agent, e.g., nitrilotriacetic acid, EDTA. The product can be used e.g. in drilling fluids.

L15 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
TI Synthesis and study of 1,2-cyclohexylenedinitrilotetraacetic acid
AN 2001:844768 CAPLUS
DN 136:296484
TI Synthesis and study of 1,2-cyclohexylenedinitrilotetraacetic acid
AU Xu, Ying; Cao, Jun; Jin, Qiao
CS Investment Planing Center of Fushun, Fushun, 113006, Peop. Rep. China
SO Shiyou Huagong Gaodeng Xuexiao Xuebao (2001), 14(3), 36-39
CODEN: SHGXEC; ISSN: 1006-396X
PB Shiyou Huagong Gaodeng Xuexiao Xuebao Bianjibu
DT Journal
LA Chinese
AB The preparation methods of 1,2-cyclohexylenedinitrilotetraacetic acid (DCTA) are discussed in detail when cyclohexadiamine is used as the material, and the effect of reaction temperature, reaction time, the molar ratio of the material on the yield is investigated by the orthogonal design. The optimum reaction conditions are obtained: n(1,2-cyclohexanediamine): n(chloro acetic acid) = 1:6; The reaction temperature is 50°, the reaction time is 7 h. With low costs, mild reaction conditions, this process provides a new method for the deep processing of 1,2-cyclohexanediamine. The performance figures of this product have reached or exceeded the quality standard of the input reagent; the chemical property of DCTA and EDTA are compared by the application test, and the result shows that the quality of DCTA product is reliable and stable and the performance is fine. Thus it can be used as substitution of EDTA in the chemical industry.

L15 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
TI Surface regeneration of biosensors using a combination of solutions based on interaction-specific optimized processes
AN 1999:784331 CAPLUS
DN 132:20747
TI Surface regeneration of biosensors using a combination of solutions based

on interaction-specific optimized processes
IN Andersson, Karl; Hamalainen, Markku; Malmqvist, Magnus; Roos, Hakan
PA Biacore AB, Swed.
SO PCT Int. Appl., 133 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI WO 9963333	A1	19991209	WO 1999-SE921		19990531
W: AU, JP, US					
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE					
			US 1998-87402	A	19980529
US 6289286	B1	20010911	US 1998-87402		19980529
AU 9946658	A1	19991220	AU 1999-46658		19990531
AU 755181	B2	20021205			
			US 1998-87402	A	19980529
			WO 1999-SE921	W	19990531
EP 1082607	A1	20010314	EP 1999-930044		19990531
R: BE, CH, DE, FR, GB, LI, NL, SE, FI					
			US 1998-87402	A	19980529
			WO 1999-SE921	W	19990531
JP 2002517720	T2	20020618	JP 2000-552490		19990531
			US 1998-87402	A	19980529
			WO 1999-SE921	W	19990531

AB Surface regeneration of affinity biosensors and characterization of biomols. associated therewith by multivariate technique employing cocktails of regeneration agents to optimize regeneration of biosensor surface and/or characterize biomols. associated therewith. Kits and stock solns. for use in the context of this invention, as well as associated computer algorithms are also disclosed. Stock solns. of regeneration cocktails are prepared and combined. Solns. are acidic, basic, ionic, organic, detergent and chelating agent containing Biosensors for various affinity bindings are regenerated by the method; the affinity reactions are used for optimizing the regeneration process. Immuno-reactions, nucleic acid hybridization, avidin/streptavidin-biotin, hormone-hormone receptor interactions are performed with Biocore instruments and CM5 sensor chips.
RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
TI Synthesis of certain multidentate benzimidazole-derived ligands
AN 1994:217419 CAPLUS
DN 120:217419
TI Synthesis of certain multidentate benzimidazole-derived ligands
AU Sivagnanam, Usha; Pandiyan, Thangarasu; Palaniandavar, Mallayan
CS Dep. Chem., Bharathidasan Univ., Tiruchirapalli, 620 024, India
SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1993), 32B(5), 572-6
CODEN: IJSBDB; ISSN: 0376-4699
DT Journal
LA English
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Synthetic procedures are described for obtaining various multidentate ligands incorporating benzimidazole moieties. The benzimidazoles were

obtained by the condensation of acids with o-phenylenediamines. Syntheses are reported for N,N-bis(1-methylbenzimidazol-2-ylmethyl)amine (I; X = CH2NMeCH2), N,N'-bis(1-methylbenzimidazol-2-ylethyl)ethylenediamine (I; X = CH2CH2NHCH2CH2NHCH2CH2), N,N,N',N'-tetrakis(benzimidazol-2-ylmethyl)-1,2-diaminocyclohexane (II; R = H) N,N,N',N'-tetrakis(4-methylbenzimidazol-2-ylmethyl)-1,2-diaminocyclohexane (II; R = Me), HOOC(CH2)mSCH2CH2S(CH2)nSCH2CH2S(CH2)mCOOH [n = 2, m = 1; n = 2, m = 2; n = 3, m = 1], bisbenzimidazole III (n = 2, m = 1; n = 2, m = 2; n = 3, m = 1; n = 3, m = 2), HO2CCH2(SCH2CH2)4SCH2CO2H, and bisbenzimidazole IV.

L15 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
TI Tetrad effect in lanthanides: extrastabilization and ligand characteristics
AN 1993:203961 CAPLUS
DN 118:203961
TI Tetrad effect in lanthanides: extrastabilization and ligand characteristics
AU Limaye, S. N.; Kopyrin, A. A.; Saxena, M. C.
CS Rare Elem. Dep., Leningrad Tech. Inst., Leningrad, 198013, USSR
SO Journal of the Institution of Chemists (India) (1991), 63(6), 215-16
CODEN: JOICA7; ISSN: 0020-3254
DT Journal
LA English
AB Tetrad or double-double effect in lanthanide (4f) elements is said to be due to nephelauxetic effect or the change in the inter-electronic repulsion Racah parameters as a result of complexation. A probable role of ligand (or donor atoms) characteristics, in the magnitude of tetrad effect was studied for a series of ligands.

L15 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
TI Polarographic determination of diffusion coefficients of hydrogen peroxide and iron chelates and rate constants of hydroxyl radical reactions
AN 1973:47906 CAPLUS
DN 78:47906
TI Polarographic determination of diffusion coefficients of hydrogen peroxide and iron chelates and rate constants of hydroxyl radical reactions
AU Borggaard, Ole K.
CS Chem. Lab. D, R. Dan. Sch. Pharm., Copenhagen, Den.
SO Acta Chemica Scandinavica (1947-1973) (1972), 26(8), 3393-4
CODEN: ACSAA4; ISSN: 0001-5393
DT Journal
LA English
AB In aqueous solns. with ionic strength 0.20M, the diffusion coeffs. (in units of 10-6 cm2/sec) at 10, 20, and 40°, resp., are : H2O2, 8.8, 13.5, 22.0; Fe3+, 2.76, 4.30, 7.05; chelate of Fe(III) with EDTA, N-(2-hydroxyethyl)ethylene-diamine-N,N',N'-triacetic acid (HEDTA), nitriloacetic acid (NTA), or trans-1,2-cyclohexanediamine-N,N,N',N'-tetraacetic acid CyDTA), 3.02, 4.61, 7.58. In aqueous solns. with 1.0M HClO4 at 20°, the absolute rate consts. for the reactions of OH radicals with acrylonitrile, EDTA, HEDTA, NTA, CyDTA, AcOH, and ClCH2CO2H were k (in units of 107 (M sec)-1) = 340, 420, 360, 68, 380, 1.9, and 2.3, resp.

=> d his

(FILE 'HOME' ENTERED AT 10:42:44 ON 18 AUG 2004)

FILE 'REGISTRY' ENTERED AT 10:42:55 ON 18 AUG 2004
L1 STRUCTURE UPLOADED
L2 0 SEARCH L1 SSS SAM
L3 0 SEARCH L1 SSS FULL
L4 STRUCTURE UPLOADED
L5 0 SEARCH L4 SSS SAM

```
L6              0 SEARCH L4 SSS FULL
L7                STRUCTURE UPLOADED
L8              7 SEARCH L7 SSS SAM
L9                STRUCTURE UPLOADED
L10             3 SEARCH L9 SSS SAM
L11           115 SEARCH L9 SSS FULL
                  E CHLOROACETIC ACID/CN
L12             1 E3

     FILE 'CAPLUS' ENTERED AT 10:59:12 ON 18 AUG 2004
L13          1731 L11
L14          8864 L12
L15             7 L13 AND L14

=> save temp l13 chelators/a
ANSWER SET L13 HAS BEEN SAVED AS 'CHELATORS/A'

=> save temp all chltrprcs/l
L# LIST L1-L15 HAS BEEN SAVED AS 'CHLTRPRCS/L'

=> logoff hold
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                21.96     499.58

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)      SINCE FILE      TOTAL
                                                   ENTRY    SESSION
CA SUBSCRIBER PRICE                                -5.15      -5.15

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                                                   ENTRY    SESSION
FULL ESTIMATED COST                                21.96     499.58

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)      SINCE FILE      TOTAL
                                                   ENTRY    SESSION
CA SUBSCRIBER PRICE                                -5.15      -5.15

=> logoff hold
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                22.41     500.03

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)      SINCE FILE      TOTAL
                                                   ENTRY    SESSION
CA SUBSCRIBER PRICE                                -5.15      -5.15
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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    22.41     500.03

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                    -5.15      -5.15

=> dhsi
L16          1 DHSI

=> d his

     (FILE 'HOME' ENTERED AT 10:42:44 ON 18 AUG 2004)

     FILE 'REGISTRY' ENTERED AT 10:42:55 ON 18 AUG 2004
L1             STRUCTURE UPLOADED
L2           0 SEARCH L1 SSS SAM
L3           0 SEARCH L1 SSS FULL
L4             STRUCTURE UPLOADED
L5           0 SEARCH L4 SSS SAM
L6           0 SEARCH L4 SSS FULL
L7             STRUCTURE UPLOADED
L8           7 SEARCH L7 SSS SAM
L9             STRUCTURE UPLOADED
L10          3 SEARCH L9 SSS SAM
L11        115 SEARCH L9 SSS FULL
               E CHLOROACETIC ACID/CN
L12          1 E3

     FILE 'CAPLUS' ENTERED AT 10:59:12 ON 18 AUG 2004
L13       1731 L11
L14       8864 L12
L15          7 L13 AND L14
               SAVE TEMP L13 CHELATORS/A
               SAVE TEMP ALL CHLTRPRCS/L
L16          1 DHSI

=> l11/prep
          1731 L11
       3184864 PREP/RL
L17         86 L11/PREP
                (L11 (L) PREP/RL)
```

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=> l17 and l14
L18           2 L17 AND L14

=> d l18 1-2n ti
'1-2N' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

The following are valid formats:

ABS --------- GI and AB
ALL --------- BIB, AB, IND, RE
APPS -------- AI, PRAI
BIB --------- AN, plus Bibliographic Data and PI table (default)
CAN --------- List of CA abstract numbers without answer numbers
CBIB -------- AN, plus Compressed Bibliographic Data
DALL -------- ALL, delimited (end of each field identified)
DMAX -------- MAX, delimited for post-processing
FAM --------- AN, PI and PRAI in table, plus Patent Family data
FBIB -------- AN, BIB, plus Patent FAM
IND --------- Indexing data
IPC --------- International Patent Classifications
MAX --------- ALL, plus Patent FAM, RE
PATS -------- PI, SO
SAM --------- CC, SX, TI, ST, IT
SCAN -------- CC, SX, TI, ST, IT (random display, no answer numbers;
              SCAN must be entered on the same line as the DISPLAY,
              e.g., D SCAN or DISPLAY SCAN)
STD --------- BIB, IPC, and NCL

IABS -------- ABS, indented with text labels
IALL -------- ALL, indented with text labels
IBIB -------- BIB, indented with text labels
IMAX -------- MAX, indented with text labels
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OBIB -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

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HITIND ------ IC, ICA, ICI, NCL, CC and index field (ST and IT)
              containing hit terms
HITRN ------- HIT RN and its text modification
HITSTR ------ HIT RN, its text modification, its CA index name, and
              its structure diagram
HITSEQ ------ HIT RN, its text modification, its CA index name, its
              structure diagram, plus NTE and SEQ fields
FHITSTR ----- First HIT RN, its text modification, its CA index name, and
              its structure diagram
FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
              structure diagram, plus NTE and SEQ fields
KWIC -------- Hit term plus 20 words on either side
OCC --------- Number of occurrence of hit term and field in which it occurs

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TI,IND; TI,SO.  You may specify the format fields in any order and the
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to view a specified Accession Number.
ENTER DISPLAY FORMAT (BIB):end

=> d l18 1-2 ti

L18 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation and purification of 1,2-diaminocyclohexanetetraacetic acid for use as stabilizer for hydroxylamine compounds

L18 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
TI Synthesis and study of 1,2-cyclohexylenedinitrilotetraacetic acid

=> d l18 2 ti fbib abs

L18 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
TI Synthesis and study of 1,2-cyclohexylenedinitrilotetraacetic acid
AN 2001:844768 CAPLUS
DN 136:296484
TI Synthesis and study of 1,2-cyclohexylenedinitrilotetraacetic acid
AU Xu, Ying; Cao, Jun; Jin, Qiao
CS Investment Planing Center of Fushun, Fushun, 113006, Peop. Rep. China
SO Shiyou Huagong Gaodeng Xuexiao Xuebao (2001), 14(3), 36-39
CODEN: SHGXEC; ISSN: 1006-396X
PB Shiyou Huagong Gaodeng Xuexiao Xuebao Bianjibu
DT Journal
LA Chinese
AB The preparation methods of 1,2-cyclohexylenedinitrilotetraacetic acid (DCTA) are discussed in detail when cyclohexadiamine is used as the material, and the effect of reaction temperature, reaction time, the molar ratio of the material on the yield is investigated by the orthogonal design. The optimum reaction conditions are obtained: n(1,2-cyclohexanediamine): n(chloro acetic acid) = 1:6; The reaction temperature is 50°, the reaction time is 7 h. With low costs, mild reaction conditions, this process provides a new method for the deep processing of 1,2-cyclohexanediamine. The performance figures of this product have reached or exceeded the quality standard of the input reagent; the chemical property of DCTA and EDTA are compared by the application test, and the result shows that the quality of DCTA product is reliable and stable and the performance is fine. Thus it can be used as substitution of EDTA in the chemical industry.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	31.86	509.48

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-5.88	-5.88

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FULL ESTIMATED COST	31.86	509.48

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-5.88	-5.88

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	31.86	509.48

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-5.88	-5.88

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FULL ESTIMATED COST	31.86	509.48

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-5.88	-5.88

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	31.86	509.48

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-5.88	-5.88

STN INTERNATIONAL LOGOFF AT 11:55:26 ON 18 AUG 2004